

Appl. No. 09/725,791
Amdt. Dated October 6, 2004
Reply to Office Action of May 7, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

WHAT IS CLAIMED IS:

1. **(Currently Amended)** An automated medical diagnosis reporting system comprising:
 - a patient demographic component for maintaining patient records;
 - a first selection means for selecting a patient record for display;
 - a medical procedure component for maintaining medical procedure records;
 - a personnel component for maintaining medical personnel records;
 - a first assignment means for assigning at least one said medical procedure record to said selected patient record;
 - a second assignment means for assigning at least one said personnel record to each said medical procedure record;
 - a display component for displaying at least said selected patient record and each said assigned medical procedure record;
 - an image capture component for the retrieval of image data;
 - a third assignment means for assigning said image data to at least one said medical procedure record;
 - an image display component for displaying said image data; and
 - a diagnosis component for associating diagnostic information with at least one said medical procedure record;
 - said diagnosis component comprising
 - a diagnosis display field for displaying said diagnostic information;
 - a catalog of standard diagnoses;
 - a second selection means to allow the selection of at least one said diagnosis from said catalog of standard diagnoses; and

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a first insertion means for inserting said selected diagnosis into said diagnosis display field;

a diagnosis editing component for editing said diagnosis display field; and
a standard diagnosis entry component allowing insertion of said diagnosis display field into said catalog of standard diagnoses.

2. **(Currently Amended)** The automated medical diagnosis reporting system of Claim 1, said diagnosis editing component further comprising:

~~a diagnosis display field for displaying said diagnostic information;~~
~~a catalog of standard diagnoses;~~
~~a second selection means to allow the selection of at least one said diagnosis from said catalog of standard diagnoses;~~
~~a first insertion means for inserting said selected diagnosis into said diagnosis display field;~~
a dictation component to allow the entry of voice data;
a speech recognition component for translating said voice data into textual dictated data;
a second insertion means for inserting dictated textual data into said diagnosis display field;
access means for accessing an external source of medical information;
an external capture component for the retrieval of external textual data from said external source of medical information;
a third insertion means for inserting external textual data into said diagnosis display field; and
a word processing component for editing textual data in said diagnosis display field.

3. **(Original)** The diagnosis reporting system of Claim 1, further comprising:

a reporting component for producing reports to include said diagnostic information, said image data, and information from said patient records, said personnel records, and said medical procedure records; and

a transmission component for transmitting said reports.

4. **(Original)** The diagnosis reporting system of Claim 3, where said transmission component transmits by facsimile.

5. **(Original)** The diagnosis reporting system of Claim 3, where said transmission component transmits using e-mail.

6. **(Currently Amended)** The diagnosis reporting system of Claim 2 1, wherein said second selection means allows selection of said standard diagnosis by body part.

7. **(Currently Amended)** The diagnosis reporting system of Claim 2 1, wherein said second selection means allows selection of said standard diagnosis by medical condition.

8. **(Currently Amended)** The diagnosis reporting system of Claim 2 1, ~~further comprising a~~ said standard diagnosis entry component further allowing textual entry of a customized diagnosis into said catalog of standard diagnoses.

9. **(Currently Amended)** The diagnosis reporting system of Claim 8 2, ~~wherein~~ said standard diagnosis entry component further ~~allows~~ allowing insertion of said external textual data retrieved using said access means into said catalog of standard diagnoses.

10. **(Canceled)** The diagnosis reporting system of Claim 8, wherein said standard diagnosis entry component allows insertion of said diagnosis display field into said catalog of standard diagnosis.

11. **(Original)** The diagnosis reporting system of Claim 1, further comprising a security component to restrict access to said patient records, said personnel records, said medical procedure records, and said diagnostic information.

12. **(Original)** The diagnosis reporting system of Claim 1, each said medical procedure record having a status field.

13. **(Original)** The diagnosis reporting system of Claim 12, further comprising:
means for editing said status field to indicate the status of said medical procedure records; and

an update component for updating said edited status field for each said displayed medical procedure record.

14. **(Currently Amended)** An automated medical diagnosis reporting system comprising:

- a records database component for maintaining patient records;
- a diagnosis component for maintaining a catalog of standard diagnoses;
- an image capture component for the retrieval of image data;
- a first selection means for selecting at least one of said patient records for display;
- a second selection means for selecting at least one said standard diagnosis for display as a selected medical diagnosis simultaneously with said patient record;
- a third selection means for selecting said image data for display;
- an image display component for the display of said image data simultaneously with said patient record and said selected medical diagnosis;
- a speech recognition component for translating dictated voice data into textual data;
- dictation display means for displaying said dictated data;
- a first insertion means for inserting said dictated data into said selected medical diagnosis;
- word processing means for editing said selected medical diagnosis;
- said diagnosis component allowing storage of said edited medical diagnosis;
- a reporting component for formatting reports combining said patient records, said selected diagnosis, and said image data; and
- a transmission component for transmitting said reports.

15. **(Original)** The diagnosis reporting system of Claim 14, further comprising:

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access means for accessing an external source of medical information;
an external capture component for the retrieval of external textual data from said external source of medical information; and

a second insertion means for inserting said external textual data into said selected medical diagnosis.

16. **(Currently Amended)** An automated medical diagnosis reporting system comprising:

a records database component for maintaining patient records;
a diagnosis component for maintaining a catalog of standard diagnoses;
an image capture component for the retrieval of image data;
a first selection means for selecting at least one of said patient records for display;
a second selection means for selecting at least one said standard diagnosis for display as a selected medical diagnosis simultaneously with said patient record;
a third selection means for selecting said image data for display;
an image display component for the display of said image data simultaneously with said patient record and said medical diagnosis;
access means for accessing an external source of medical information;
an external capture component for the retrieval of external textual data from said external source of medical information;
a first insertion means for inserting said external textual data into said selected medical diagnosis;
word processing means for editing said selected diagnosis;
said diagnosis component allowing storage of said edited medical diagnosis;
a reporting component for formatting reports combining said patient records, said selected diagnosis, and said image data; and
a transmission component for transmitting said reports.

17. **(Original)** The diagnosis reporting system of Claim 16, further comprising:

a speech recognition component for translating dictated voice data into textual data;

dictation display means for displaying said dictated data; and

a second insertion means for inserting said dictated data into said selected medical diagnosis.

18. **(Original)** The diagnosis reporting system of Claim 16, wherein said external source of medical information is a compact disc reader.

19. **(Original)** The diagnosis reporting system of Claim 16, wherein said external source of medical information is the Internet.

20. **(Currently Amended)** An automated method of reporting a medical diagnosis comprising the steps of:

entering patient demographic data;

entering information on medical personnel;

entering examination information associated with said patient data;

entering orders for procedures made by said medical personnel and associated with said patient data and said examination information;

displaying said patient data and information about said procedures on a monitor screen for viewing by a physician;

retrieving and display imaging data associated with said procedures;

displaying a menu to allow a selection of a standard diagnosis from a catalog by said physician;

retrieving a diagnosis from said catalog using said menu selection;

editing said diagnosis using dictation;

saving the edited diagnosis in said catalog;

formatting a report including said patient data, said imaging data, and said edited diagnosis; and

transmitting said report.

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21. **(Original)** The method of reporting a medical diagnosis of Claim 20, wherein said menu lists said standard diagnoses by body part.

22. **(Original)** The method of reporting a medical diagnosis of Claim 20, wherein said menu lists said standard diagnoses by medical condition.

23. **(Canceled)** The method of reporting a medical diagnosis of Claim 20, further comprising the step of saving the edited diagnosis in said catalog.

24. **(Currently Amended)** The method of reporting a medical diagnosis of Claim 20, further comprising the steps of:

- accessing an external source of medical information;
- retrieving information from said external source; ~~and~~
- editing said diagnosis using said external information; and
- saving the edited diagnosis in said catalog.

25. **(Canceled)** The method of reporting a medical diagnosis of Claim 24, further comprising the step of saving the edited diagnosis in said catalog.

26. **(New)** An automated medical diagnosis reporting system comprising:

- a patient demographic component for maintaining patient records;
- a first selection means for selecting a patient record;
- a medical procedure component for maintaining medical procedure records,

allowing the association of at least one said medical procedure record with a selected patient record;

- an image capture component for the capture and storage of image data in association with said selected patient record and at least one said medical procedure record;

- a diagnosis component for associating diagnostic information with said selected patient record; and

- a display component for displaying said selected patient record, and any associated medical procedure record, image data, and/or diagnostic information;

- said diagnosis component comprising
 - a catalog of diagnoses;

a second selection means to allow the selection of at least one said diagnosis from said catalog of diagnoses; and

a diagnosis editing component to allow customized editing of said selected diagnosis by medical personnel and storage of said edited diagnosis.